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FIG.1

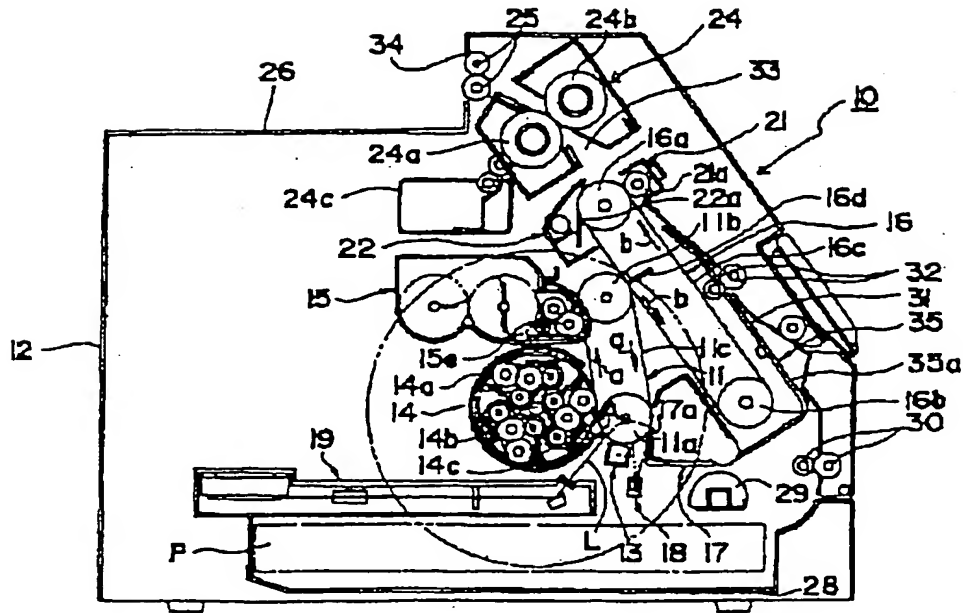
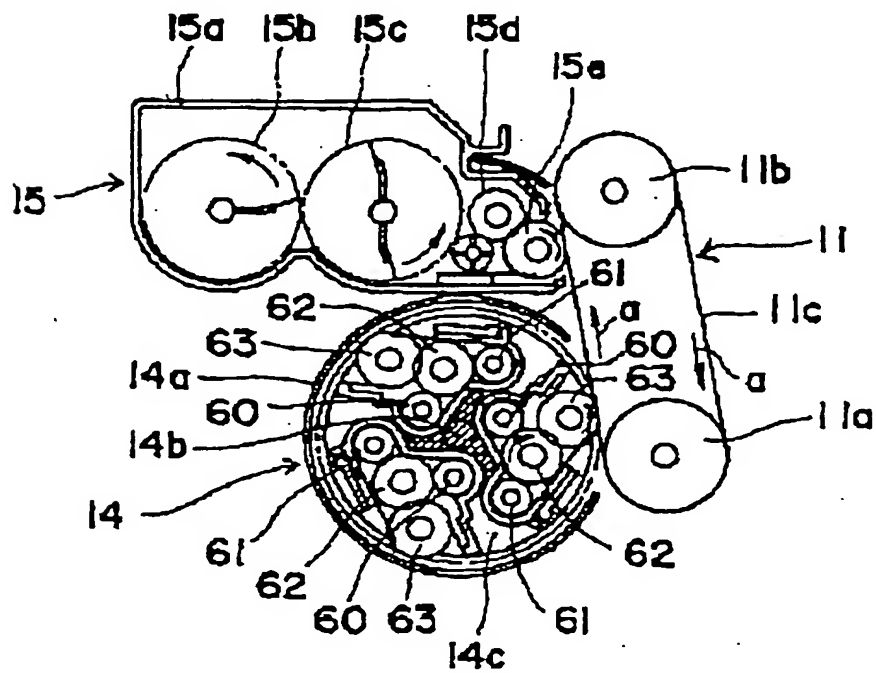


FIG.2



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FIG.3A

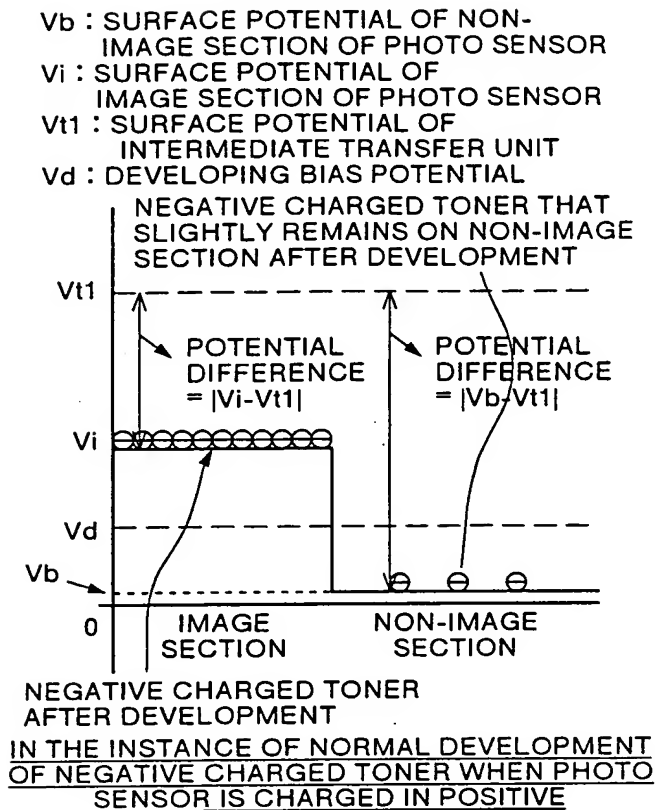


FIG.3B

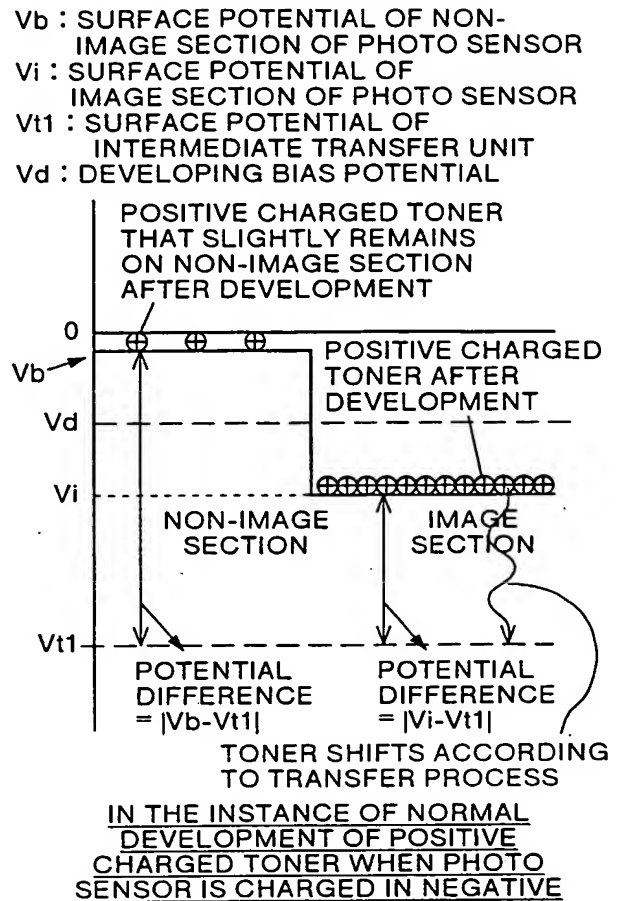


FIG.3C

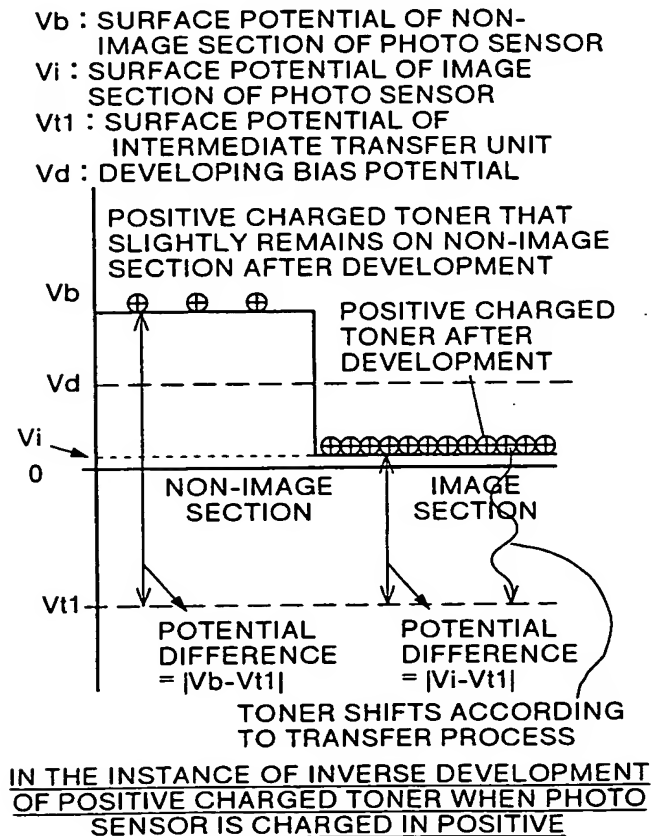
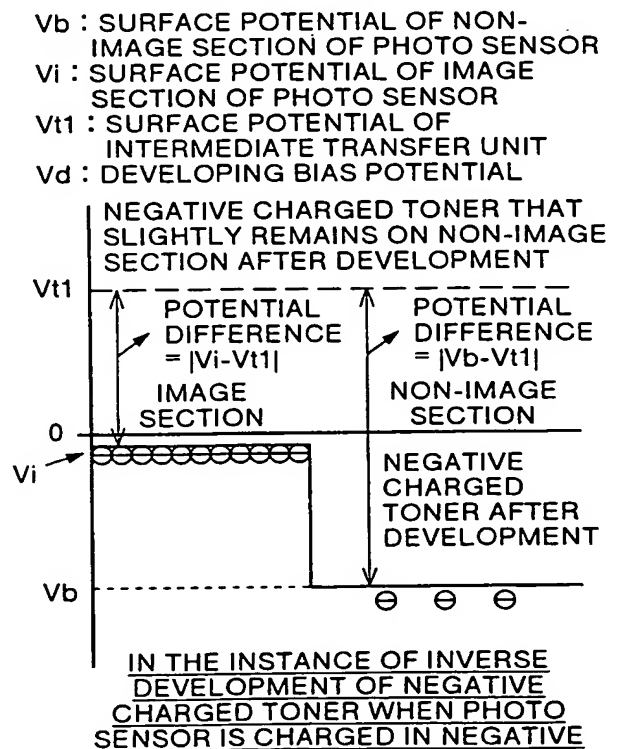


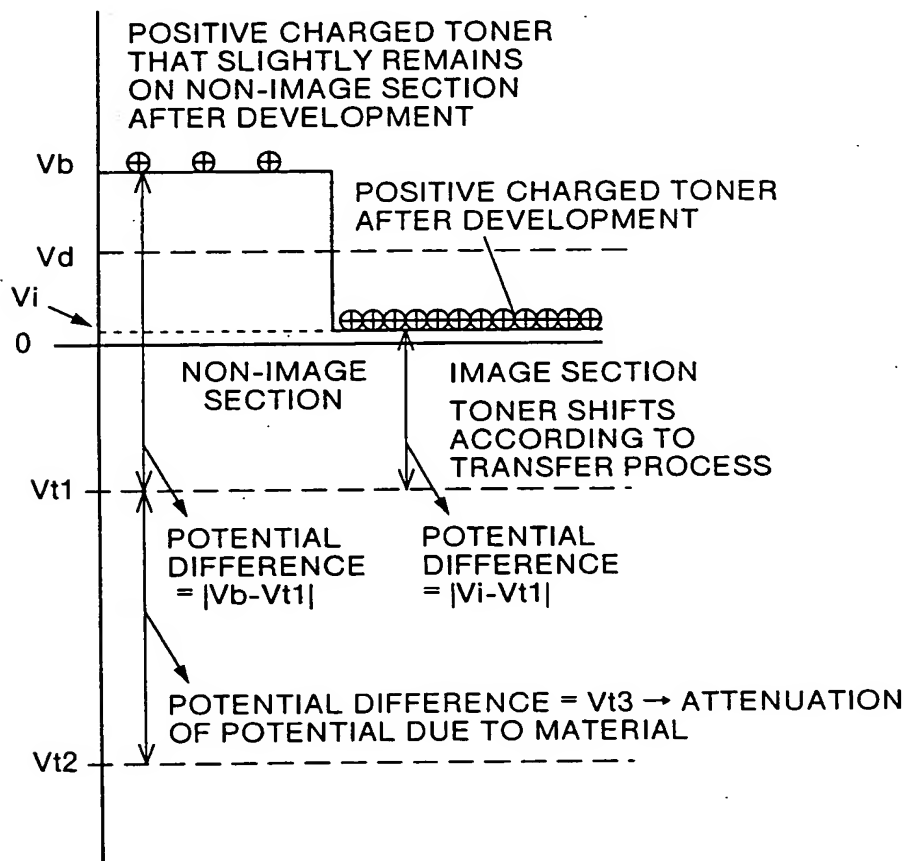
FIG.3D



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FIG.4

$V_b$  : SURFACE POTENTIAL OF NON-IMAGE SECTION OF PHOTO SENSOR  
 $V_i$  : SURFACE POTENTIAL OF IMAGE SECTION OF PHOTO SENSOR  
 $V_{t1}$  : SURFACE POTENTIAL OF INTERMEDIATE TRANSFER UNIT  
 $V_d$  : DEVELOPING BIAS POTENTIAL  
 $V_{t2}$  : APPLIED VOLTAGE TO INTERMEDIATE TRANSFER UNIT  
 $V_{t3}$  : VOLTAGE ATTENUATION DUE TO MATERIAL THAT CONSTITUTES INTERMEDIATE TRANSFER UNIT



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FIG.5

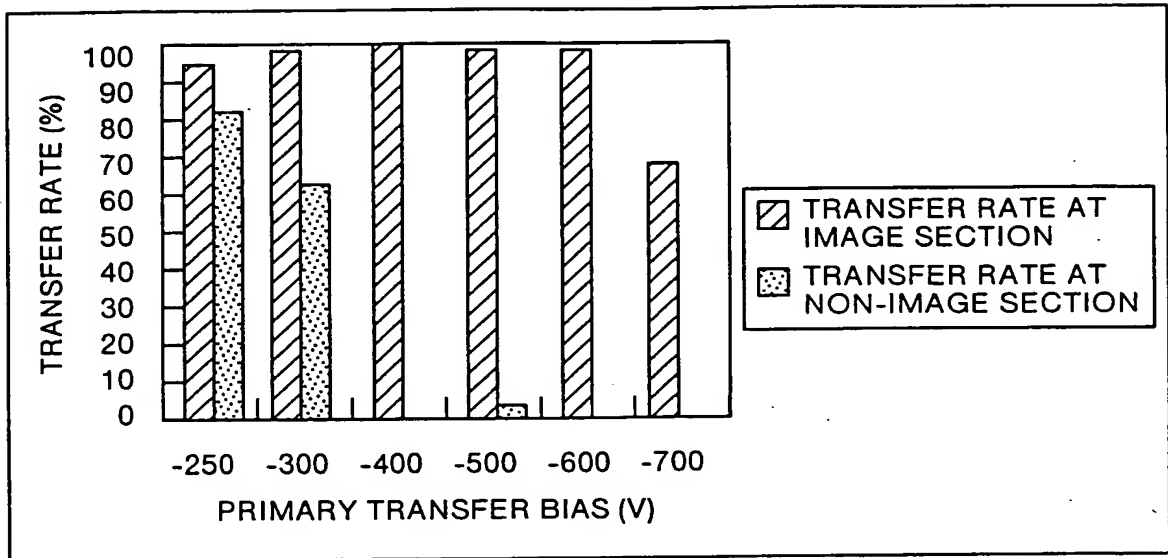
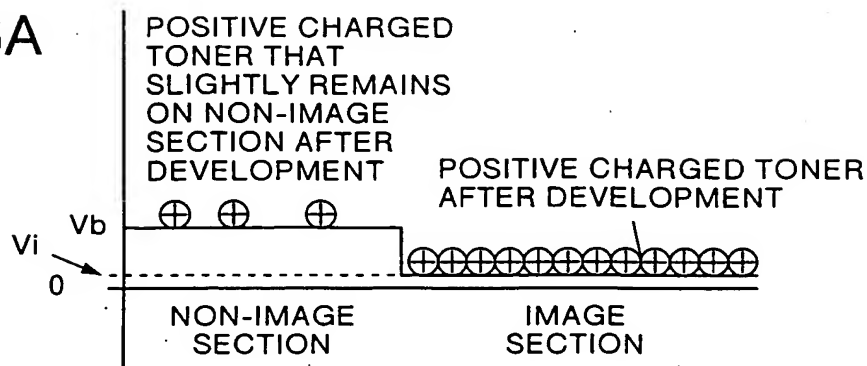


IMAGE SECTION : SATISFACTORY TRANSFER AREA IS  
WHERE BIAS IS -600 V OR ABOVE

NON-IMAGE SECTION : STAINED TEXTURE IS NOT TRANSFERRED  
IN AREA WHERE BIAS IS -400 V OR BELOW

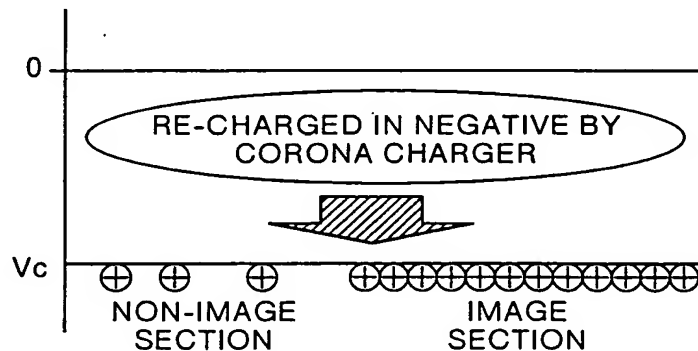
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FIG.6A



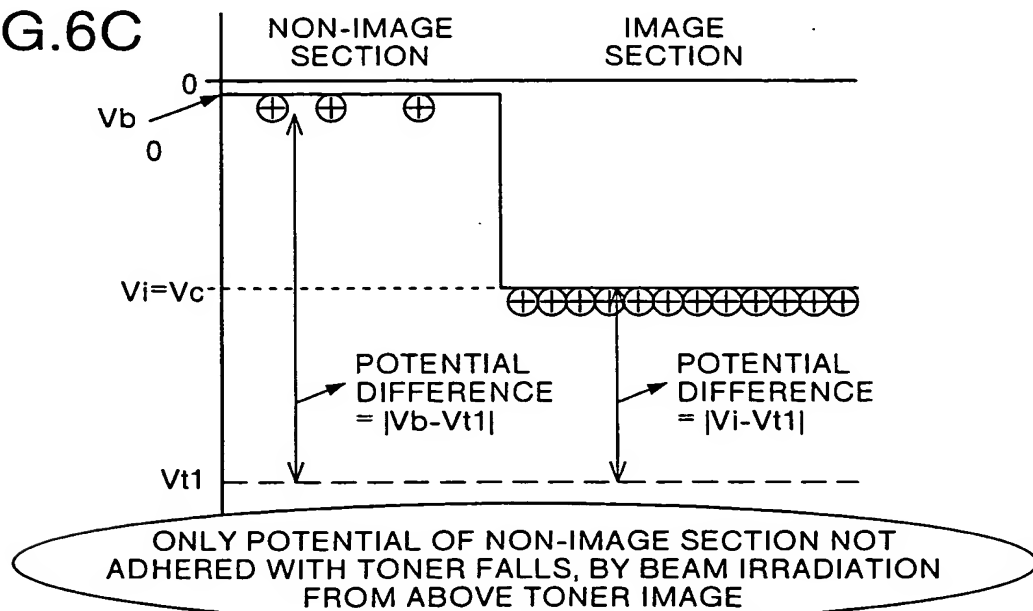
$V_b$  : SURFACE POTENTIAL OF NON-IMAGE SECTION OF PHOTO SENSOR  
 $V_i$  : SURFACE POTENTIAL OF IMAGE SECTION OF PHOTO SENSOR  
 $V_{t1}$  : SURFACE POTENTIAL OF INTERMEDIATE TRANSFER UNIT

FIG.6B



$V_b$  : SURFACE POTENTIAL OF NON-IMAGE SECTION OF PHOTO SENSOR  
 $V_i$  : SURFACE POTENTIAL OF IMAGE SECTION OF PHOTO SENSOR  
 $V_{t1}$  : SURFACE POTENTIAL OF INTERMEDIATE TRANSFER UNIT  
 $V_c$  : SURFACE POTENTIAL AFTER RE-CHARGING

FIG.6C



$V_b$  : SURFACE POTENTIAL OF NON-IMAGE SECTION OF PHOTO SENSOR  
 $V_i$  : SURFACE POTENTIAL OF IMAGE SECTION OF PHOTO SENSOR  
 $V_{t1}$  : SURFACE POTENTIAL OF INTERMEDIATE TRANSFER UNIT  
 $V_c$  : SURFACE POTENTIAL AFTER RE-CHARGING

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FIG. 7

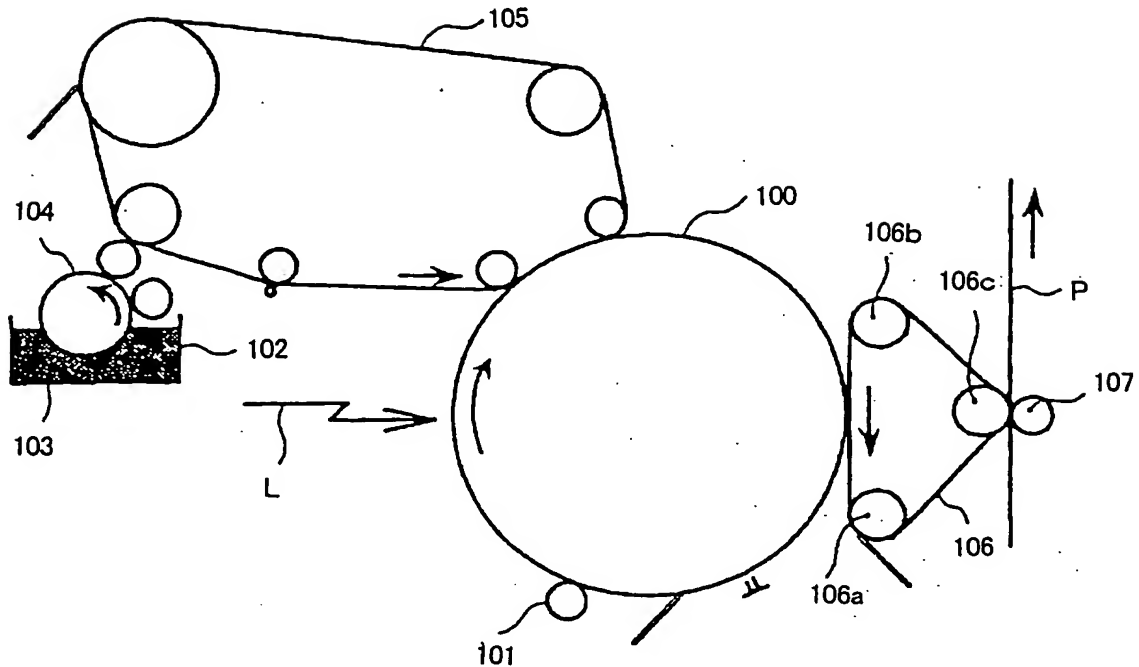
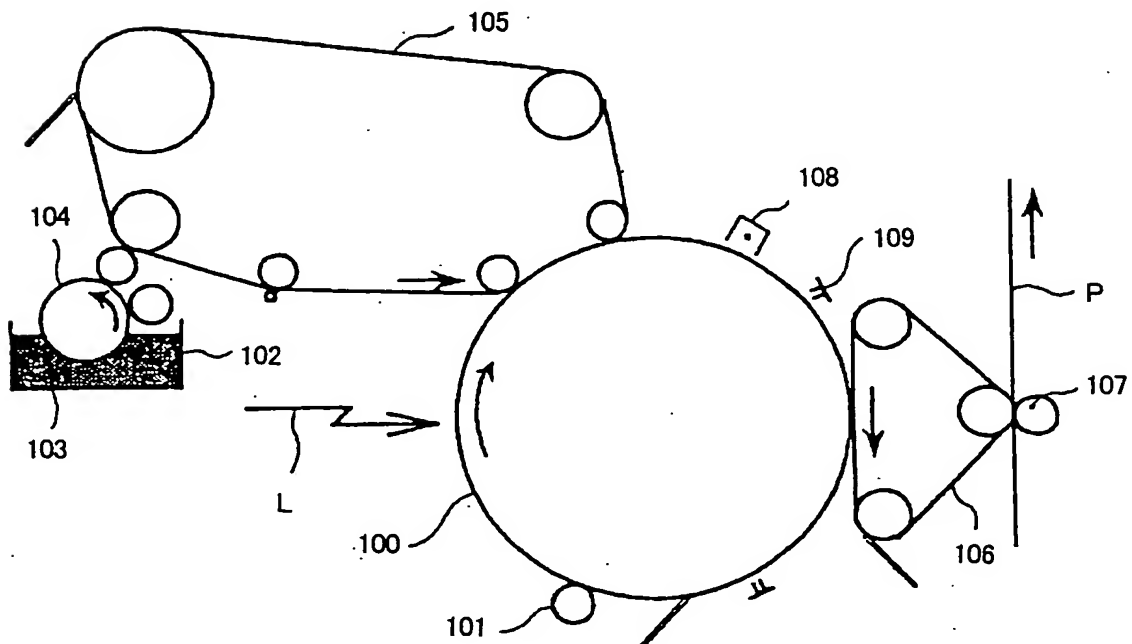


FIG. 8



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FIG.9

